BRUHAT BENGALURU MAHANAGARA PALIKE

2016

Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.

QUALITY CONTROL REPORT

Client : Executive Engineer, Dasarahalli Division, BBMP, Bangalore.

CIVIL XPERTS

CONSULTANTS & TESTING CENTER

NABL Accrediated As Per ISO : 17025 - 2005

ISO 9001 : 2008

#174, Sri Ranga Complex, Amruth Nagara Main Road, New Bank Colony, Konanakunte, Bangalore - 560062 | Mob : +91 97429 59595

Ph : 080 26322565 |e-mail : civilexpertsltd@gmail.com

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-MS-PMC-2016-17 Date: 29.10.2016

TEST REPORT

CLIENT	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
AGENCY	:	**Sri.Muraliswamy,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.
REFERENCE	:	EE/DD/PACKAGE/WO/75/2016-17 Dated:03.10.2016
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Expert

Authorised Signature

CIVIL EXPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AGN-PMC-2016-17 Date : 29.10.2016

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri.Muraliswamy,** Contractor, Bangalore.

Name of Work : Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.

Reference : EE/DD/PACKAGE/WO/75/2016-17 Dated:03.10.2016

Date of Testing : 29.10.2016

Material : Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	95	9.50	9.50	90.5	90-100
2.36	136	13.60	23.10	76.9	75-100
1.18	125	12.50	35.60	64.4	55-90
600 Micron	216	21.60	57.20	42.8	35-59
300 Micron	226	22.60	79.80	20.2	8-30
150 Micron	140	14.00	93.80	6.2	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AGN-PMC-2016-17 Date : 29.10.2016

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri.Muraliswamy,** Contractor, Bangalore.

Name of Work : Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.

Reference : EE/DD/PACKAGE/WO/75/2016-17 Dated:03.10.2016

Date of Testing : 29.10.2016

Material : 40mm Aggregates

Total wt. of aggregates in gms = **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	310	2.07	2.07	97.93	95-100
20	8352	55.68	57.75	42.25	30-70
10	3416	22.77	80.52	19.48	10-35
4.75	2521	16.81	97.33	2.67	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing .

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಡಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-AGN-PMC-2016-17 Date : 29.10.2016

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri.Muraliswamy,** Contractor, Bangalore.

Name of Work : Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.

Reference : EE/DD/PACKAGE/WO/75/2016-17 Dated:03.10.2016

Date of Testing : 29.10.2016

Material : 20mm Aggregates

Total wt. of aggregates in gms = **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	212	4.2	4.2	95.8	95-100
10	2516	50.3	54.6	45.4	25-55
4.75	1824	36.5	91.0	9.0	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing .

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-KE-PMC-2016-17 Date: 31.10.2016

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor	:	**Sri.Muraliswamy,** Contractor, Bangalore.
Name of Work	:	Improvements and Asphalting of Ward Roads & Connecting Roads in Ward No. 14 & 15 of Shettyhalli Sub Division Dasarahalli zone. Package No. DZ 2016-16-(02) (19 works), BBMP, Bangalore.
Reference	:	EE/DD/PACKAGE/WO/75/2016-17 Dated:03.10.2016
Sample Identification	:	8mm, 10mm, 12mm TMT Fe 500 Bars
Technical Reference	:	IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test	:	31.10.2016

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.395	525	556	15.0
2	Fe 500	10	0.618	539	568	16.5
3	Fe 500	12	0.888	554	579	17.0

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು